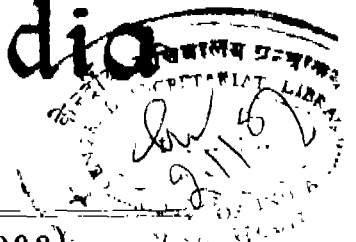




भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY



सं० 41] नई दिल्ली, शनिवार, अक्टूबर 11, 1986 (आश्विन 19, 1908)
No. 41] NEW DELHI, SATURDAY, OCTOBER 11, 1986 (ASVINA 19, 1908)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचना और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS

Calcutta, the 11th October 1986

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1-277 GI/86

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Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
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Calcutta-700 017

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CORRIGENDUM

(1)

In the Gazette of India Part III, Section 2 dated 1st March 1986 page 166, Column 2 under the heading "PATENTS SEALED" read as 154974 and delete the last para of page 1 under the heading "CORRIGENDUM" dated the 31st May 1986.

(2)

1. In the Gazette of India, Part III, Section 2, dated 26-7-1986 under the heading "Applications for Patents filed in the Patent Office Branch at Fodi Estates, IIIrd Floor, Sun Mill Compound, Lower Panel (West), Bombay-13" on page 466.

(i) in respect of Patent Application No. 162/Bom/86 in the name of applicant "VIJAYKUMAR" read "VIJAYKUMAR".

REGISTRATION OF PATENT AGENTS

The following persons have been registered as Patent Agents :—

1. Seeta Badrinath,
E-45-A, 21st Street,
Besant Nagar, Madras-600090
and
2. Roma Bhagat,
29, Babar Lane,
New Delhi-110001.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH ROSE ROAD, CALCUTTA-700 017

Calcutta, the 11th October 1986

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

2nd September, 1986

- 660/Cal/86, Adolf Wyler and Herbert J. Wagner. Thermoplastic leather material and its preparation.
- 661/Cal/86, Vitamins, Inc. Mass transfer extraction of liquids from solids.
- 662/Cal/86, Nissan Chemical Industries, Ltd. Pyridazinone derivatives, process for preparation thereof, and insecticidal compositions.
- 663/Cal/86, Combustion Engineering, Inc. Microwave detection of fuel flow.
- 664/Cal/86, Carrier Corporation. Double wall condenser orifice.
- 665/Cal/86, Cooper Industries, Inc. Circuit recloser with actuator for trip, close and lockout operation

3rd September, 1986

- 666/Cal/86, Montedison S.P.A. Azolyl-Derivatives Endowed with antifungal activity.
- 667/Cal/86, Megabar Corporation. Microcellular composite energetic materials and method for making same

5th September, 1986

- 668/Cal/86, Clevite Industries Inc. A method of applying a coating to a substrate.

8th September, 1986

- 669/Cal/86, Hitachi Construction Machinery Co. Ltd. Pilot hydraulic system for operating directional control valve.
- 670/Cal/86, Hitachi Construction Machinery Co. Ltd. Control system for hydraulically-operated construction machinery.

671/Cal/86, Jitendra Haibhai Rawal and Anand Kamalnayan Pandit. Wind Pump.

9th September, 1986

- 672/Cal/86, Isover Saint-Gobain. Preparation of gluing compositions for mineral fibre felts
- 673/Cal/86, Dr. Ashit Deb Roy. Intelligent Spectacle frame.

10th September, 1986

- 674/Cal/86, Ausimont S.p.A. Purification of oils containing solid matters in suspension.
- 675/Cal/86, Ausimont S.p.A. Vacuum pump equipped with filter for the lubricating oil.
- 676/Cal/86, Somen Chatterjee. A method of casting steel ingots and an apparatus for curving out the method.
- 677/Cal/86, Hoechst Aktiengesellschaft. Water-soluble triphenldioxazine compounds, processes for their preparation and their use as dyestuffs, and precursors of the triphenldioxazine compounds.
- 678/Cal/86, Voest-Alpine Aktiengesellschaft. Process for controlling the movement of an universally swivellable cutting arm as well as control device for performing this process.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110 005

11th August, 1986

- 724/Del/86, Shell Internationale Research Maatsihappij B.V., "New polymers of carbon monoxide and ethene".
- 725/Del/86, Peterson Filters Corporation. "Method and apparatus for use in separating solids from liquids".

12th August, 1986

- 726/Del/86, Kingsway Enterprises Private Limited, "A film strip viewer".
- 727/Del/86, Sun Industrial Coatings Private Limited, "Apparatus for holding electrical or electronic components during the application of solder". (Convention date 20th August, 1985) (U.K.).
- 728/Del/86, STC PLC., "Optical fibre manufacture". (Convention date 21st August, 1985) (U.K.).
- 729/Del/86, STC PLC., "Optical fibre manufacture". (Convention date 21st August, 1985) (U.K.).

13th August, 1986

- 730/Del/86, Council of Scientific and Industrial Research, "A process for the preparation of anhydrous iron (III) sulphate".
- 731/Del/86, Council of Scientific and Industrial Research, "A method for the preparation of pure high bulk density iron (III) oxide".
- 732/Del/86, Energy Conversion Devices, Inc., "Enhancement layer for electrophotographic devices and method for decreasing charge fatigue through the use of said layer".
- 733/Del/86, Uniroyal Chemical Company, Inc., "Sprayable and foamable insulating composition".
- 734/Del/86, Uniroyal Chemical Company Inc., "Insulating adhesive tape composition and composites thereof".
- 735/Del/86, Interlogo A/S. A toy activity centre".

14th August, 1986

- 736/Del/86, Societe Nationale Des Poudres Et Explosifs, "Paper distributing an active compound on burning and a pyrotechnic distributor using such paper".

737/Del/86. Colgate Palmolive Company, "Packaged dental cream".

18th August, 1986

738/Del/86. Indian Council of Agricultural Research, "A new durable chemical finishing process for production of antibacterial fabrics".

739/Del/86. Indian Council of Agricultural Research, "A new resin finishing process using mixed catalyst system for production of durable press fabrics".

740/Del/86. Pfizer Inc., "Substituted bridged diazabicycloalkyl quinolone carboxylic acids".

741/Del/86. The Standard Oil Company, "Anodes containing iridium based amorphous metal alloys and use thereof as halogen electrodes".

742/Del/86. The B. F. Goodrich Co., "Clear polyvinyl chloride articles and compositions".

743/Del/86. York Ltd., "Optical time domain reflectometry". (Convention date 20th August, 1985) (U.K.).

19th August, 1986

744/Del/86. Council of Scientific and Industrial Research, "A process for the preparation of B-(4-D-hexopyranoxylamino -1-methylbutylamino) -6-methoxyquinolines".

745/Del/86. Rinefas Ltd., "A gear Mechanism". (Convention date 23rd August, 1985) (Australia).

746/Del/86. Imperial Chemical Industries PLC., "Hydrogen production". (Convention date 30th August, 1985) (U.K.).

747/Del/86. Imperial Chemical Industries PLC., "Catalyst". (Convention date 30th August, 1985) (U.K.).

748/Del/86. Stratford Voogt & Johan Hendrik Swigelaar, "Power generator".

20th August 1986

749/Del/86. Narendra Pal Singh, "Method of increasing the power of a vertical shaft wind mill by stacking".

750/Del/86. Oil & Natural Gas Commission, "A gas lift valve".

751/Del/86. Krishnaswamy Rangaswamy, "A hoisting means".

752/Del/86. Vivek Mull, "A suction bottle".

753/Del/86. Krishnaswamy Rangaswamy, "A container for transportation of freight".

754/Del/86. Nuchem Plastics Limited., "An improved process for the preparation of acetoxy hydrazobenzene".

755/Del/86. Eihart Industries, Inc., "Glassware forming apparatus with distributed control".

21st August, 1986

756/Del/86. Primages Inc., "Ribbon cassette responsive to ribbon breakage".

22nd August, 1986

757/Del/86. Amoco Corporation, "Electrolyte additive for lithium sulfur dioxide electrochemical cells".

758/Del/86. Colgate Palmolive Company, "Anticalculus oral composition".

759/Del/86. Colgate Palmolive Company, "Anticalculus oral composition".

APPLICATIONS FOR PATENTS FILED AT THE
PATENTS OFFICE BRANCH, 61, WALLAJAH ROAD,
MADRAS-600 002

18th August, 1986

661/Mas/86. Minnesota Mining and Manufacturing Company. Heat-recoverable sheet for use as a protective closure.

662/Mas/86. Plessey Overseas Limited. Inter-bus system. (September 3, 1985; United Kingdom).

663/Mas/86. The Texas A—M University System. Method for producing a baculovirus transfer vector. (Divisional to Patent Application No. 376/Mas/84).

664/Mas/86. The Texas A & M University System. Method for producing recombinant transfer vector. (Divisional to Patent Application No. 376/Mas/84).

665/Mas/86. Richter Gedeon Vegyeszeti Gyar Rt. Process for the preparation of N-Sulfamyl-3-(2-guanidino-Thiazol-4-Yl-Methylthio)-Propion-Amidine.

19th August, 1986

666/Mas/86. Gaspower International Limited. Dual fuel compression ignition engine. (August 24, 1985; United Kingdom).

667/Mas/86. Reimbold & Strick GmbH & Co. Annular gap-type ball mill.

20th August, 1986

668/Mas/86. Novo Industri A/S. Insulin analogues.

669/Mas/86. Air Products and Chemicals, Inc. Cascade heat recovery with coproduct gas production.

670/Mas/86. Air Products and Chemicals, Inc. Liquid phase thermal swing chemical air separation.

21st August, 1986

671/Mas/86. Sree Chitra Tirunal Institute for Medical Sciences & Technology. An improved heart valve assembly. (Additional to Patent Application No. 40/Mas/85).

672/Mas/86. Cassella Aktiengesellschaft. Mixture of blue disperse dyestuffs and their use for dyeing polyester.

673/Mas/86. International Business Machines Corporation. Assembly of Transducer and support therefor.

674/Mas/86. Muirhead Vectric Components Limited. Interpolation method and shaft angle encoder. (August 22, 1985; Great Britain).

22nd August, 1986

675/Mas/86. Driescher Panicker Switchgear Private Limited. Vertical AB Switch type FM for transformer control.

676/Mas/86. Ramaswamy Gounder Subramanian. An improved mortar for an oil rotary.

677/Mas/86. Nippon Chemiphar Co., Ltd. Process for preparation of novel g Quinaldinamide derivatives.

678/Mas/86. James Fahey. Method and apparatus for controlling the suction pressure in a dust collecting duct.

679/Mas/86. Elkem a/s. Baking electrodes.

ALTERATION OF DATE

158274. Ante dated to 1st July, 1982.
(33/Cal/85).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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CLASS : 31-A. 158264

Int. Cl. H 01 g 1/01.

IMPROVED METALLIZED ELECTRODE STRIP AND ELECTRIC CAPACITOR HAVING THE SAME.

Applicant : GENERAL ELECTRIC COMPANY, OF RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventor : L. ANGELO VIALIZIS.

Application No. 606/Cal/82 filed may 26, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A metallized electrode strip formed by non-chemical methods for use in an electrical capacitor comprising a base strip of a synthetic resin material, a first metal layer covering said synthetic resin strip to one longitudinal edge thereof and a second electrically continuous metal layer on said first metal layer spaced from said longitudinal edge to leave an exposed margin of said first metal therealong, the thickness of said synthetic resin strip being less than about 8, the said second metal being different from said first metal.

Compl. Specn. 21 pages. Drg. 2 sheets.

CLASS : 32-F3 c; 140-A2. 158265

Int. Cl. : C 10 m 1/54.

NOVEL BORON-CONTAINING COMPOSITIONS AND LUBRICANTS CONTAINING THEM.

Applicant : The LUBRIZOL CORPORATION, 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, U.S.A.

Inventor : L. FREDERICK WILLIAM COCH.

Application No. 15/Cal/83 filed January 12, 1983.

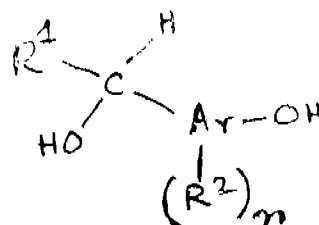
Complete Specification left on 5th April, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

A method for preparing a boron-containing composition which comprises reaction, at a temperature within the range of 70—250°C :

(A) at least one compound of the formula I of the accompanying drawing and



Formula I

wherein R¹ is hydrogen, a lower alkyl-based radical or an aromatic hydrocarbon-based radical, R² is hydrogen or an aliphatic hydrocarbon-based radical free from acetylenic unsaturation, n is a number from 1 to 4, and Ar is an aromatic hydrocarbon-based radical; and

(B) at least one of boric acid, boron trioxide, boron halides and esters of boric acid, which reaction is carried out optionally in the presence of;

(C) an acidic or basic catalyst.

Provisional Specn. 17 pages.

Drg. 1 sheet.

Compl. Specn. 27 pages.

Drg. 1 sheet.

CLASS : 190-A & D.

158266.

Int. Cl. : F 03 d 11/00.

A WIND TURBINE SYSTEM FOR GENERATING ELECTRIC POWER.

Applicant : UNITED TECHNOLOGIES CORPORATION, OF 1 FINANCIAL PLAZA, HARTFORD, CONNECTICUT 06101, UNITED STATES OF AMERICA.

Inventors : 1. KERMIT IVAN HARNER, 2. JOHN PETER PATRICK, 3. JOSEPH MICHAEL KOS.

Application No. 320/Cal/83 filed March 16, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A wind turbine system for generating electric power, comprising :

a tower;

a rotor disposed on said tower including blades disposed for rotation about an axis and a blade pitch angle change mechanism;

means for providing an actual torque/power signal indicative of actual torque/power generated by said wind turbine system; and

signal processing means for providing a reference torque/power signal indicative of desired generated torque/power, and for providing a blade pitch angle reference signal as a function of the difference between said actual torque/power signal and said reference torque/power signal;

characterized by;

said signal processing comprising means for providing said blade pitch angle reference signal as a combination of a damping signal component related to a filtered function of

said blade pitch angle reference signal and a torque/power control signal component which is said function of the difference between said actual torque/power signal and said reference torque/power signal.

Compl. Specn. 24 pages.

Drg. 1 sheet.

CLASS : 172-B.

158267

Int. Cl. : D 01 b 1/00, 5/00.

METHOD FOR PREPARING A COMPOSITION FOR INCREASING THE FIBER CONTENT OF CULTIVATED PLANTS.

Applicant : RAMOT UNIVERSITY AUTHORITY FOR APPLIED RESEARCH AND INDUSTRIAL DEVELOPMENT LTD., OF 32, UNIVERSITY STREET, TEL AVIV, ISRAEL.

Inventor : 1, RONI ALONI.

Application No. 333/Cal/83 filed March 18, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A method for preparing a composition for increasing the fiber content of cultivated plants, the method comprises mixing at least one Auxin and at least one Gibberellin or their precursor, said mixing being effected in the ratio by weight of auxin to gibberellin from 1 : 5 to 1 : 20.

Compl. specn. 11 pages.

Drg. 1 sheet.

CLASS : 34-D

158268

Int. Cl. : C 08 b 29.00.

A PROCESS FOR PRODUCING CELLULOSE FIBERS OPTIONALLY CONTAINING CARBAMATE GROUPS.

Applicant : NESTLE OY, OF KEILANHEMI 02150, ESPOO 15, FINLAND.

Inventors : 1. OLLI TURUNEN, 2. JOUKO HUTTUNEN, 3. KURT EKMAN, 4. VIDAR EKLUND, 5. LEO MANDELL.

Application No. 337/Cal/83 filed March 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for producing cellulose fibres optionally containing carbamate groups in desired levels characterised by treating cellulose carbamate fibres with alkali having concentration in the range of 0.1-4% or an organic base having concentration in the range of 0.1-10% so as to remove the carbamate groups to a desired level.

Compl. specn. 16 pages.

Drg. Nil.

CLASS : 37-A

158269

Int. Cl. : B 01 d 17.02.

IMPROVED APPARATUS FOR SEPARATING A MIXTURE OF AT LEAST TWO IMMISCIBLE FLUIDS.

Applicant & Inventor : CHARLES STUART CONWAY, AT FEATHERBED LANE, NEW VERNON, NEW JERSEY 07976, UNITED STATES OF AMERICA

Application No. 453/Cal/83 filed April 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

A fluid separation apparatus for separating a mixture of at least two immiscible fluids having different specific gravities, comprising :—

an enclosed separation chamber,

fluid intake means, coupled to said separation chamber, for admitting said mixture of fluids to said chamber,

first vertically-disposed, elongated fluid column means extending into said chamber and opening at one end adjacent the bottom thereof, the opposite end of said fluid column means extending vertically above said chamber and opening exteriorly thereof for permitting the discharge from said chamber of the immiscible fluid of said mixture having the greater specific gravity, said fluid column means having a predetermined length H between the end thereof opening adjacent to said bottom of said chamber and said opposite end thereof, and

second extended fluid column means extending vertically upwardly from said chamber, a lower end of said second extended fluid column means opening into said chamber at an upper portion of said chamber, and an upper, open end thereof extending vertically above said opposite end of said first extended fluid column means by a distance d which is approximately equal to $H \left(\frac{S_w - 1}{S_c} \right)$, where S_w represents the

S_c

specific gravity of said immiscible fluid having the greater specific gravity and S_c represents the specific gravity of the other of said fluids of said mixture.

Compl. specn. 29 pages.

Drg. 5 sheets.

CLASS : 32-A₁.

158270

Int. Cl. : C 09 b 31/00.

A PROCESS FOR PREPARING WATER-SOLUBLE DIS-AZO COMPOUNDS.

Applicant : HOECHST AKTIENGESellschaft OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

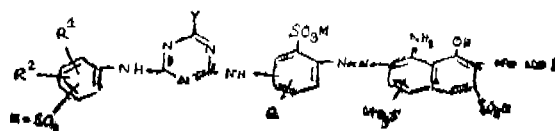
Inventors : 1. FRITZ MEININGER, 2. LUDWIG SCHLAFFER.

Application No. 533/Cal/83 filed May 2, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A process for the preparation of a disazo compound according to the general formula (1) of the accompanying drawing



Formula 2

in which the formula moieties R^1 , R^2 , R and the substituents in D can have an identical meaning to or a different meaning from one another and

D is the phenyl radical which may be substituted by 1, 2 or 3 substituents selected from the group consisting of alkyl of 1 to 4 carbon atoms, alkoxy of 1 to 4 carbon atoms, halogen trichloromethyl, trifluoromethyl, nitro, alkanoylamino with an alkyl radical of 1 to 4 carbon atoms, benzoylamino (which can be substituted in the benzene nucleus by 1 or 2 substituents selected from the group of methyl, ethyl, methoxy, ethoxy, chlorine and sulfo), phenylsulfonylamino (which can be substituted in the phenyl group by 1 or 2 substituents selected from the group of methyl, ethyl, methoxy and ethoxyl), carboxy and sulfo, this phenyl radical

D containing preferably at least one sulfo group or carboxy group as substituent, or is a naphthyl radical which is substituted by 1, 2 or 3 sulfo groups,—

R¹ is a hydrogen atom, an alkyl group of 1 to 4 carbon atoms, an alkoxy group of 1 to 4 carbon atoms or a chlorine atom,

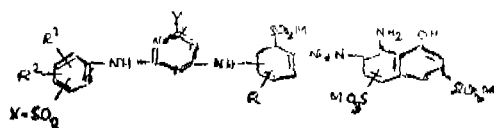
R² is a hydrogen atom, an alkyl group of 1 to 4 carbon atoms, an alkoxy group of 1 to 4 carbon atoms or a chlorine atom,

R is a hydrogen atom or an alkyl group of 1 to 4 carbon atoms, an alkoxy group of 1 to 4 carbon atoms, or a sulfo group, however with the proviso that R is mandatorily an alkyl group of 1 to 4 carbon atoms or an alkoxy group of 1 to 4 carbon atoms or a sulfo group if the amino group -NH- linked to the benzene nucleus, is bonded in the para-position to the indicated sulfo group—SO₃M and D denotes simultaneously a sulfo-substituted naphthyl radical,

Y is a chlorine atom,

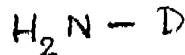
X is the vinyl group or a β-sulfoethyl group, and

M is a hydrogen atom or the equivalent of a metal, which comprises coupling a monoazo compound of the general formula (2)



Formula 2

in which R¹, R², R, D, M, Y and X have the above-mentioned meanings, with the diazonium salt of an amino compound of the general formula (3)



Formula 3

in which D has the above-mentioned meaning.

Compl. Specn. 40 pages.

Drg. 2 sheets.

CLASS : 50-F & 98-G.

158271

Int. Cl. : F 25 b 15/00.

A HEAT EXCHANGER ASSEMBLY FOR A REFRIGERATION SYSTEM.

Applicant : CARRIER CORPORATION, AT SYRACUSE, NEW YORK, UNITED STATES OF AMERICA.

Inventor : I. RICHARD EUGENE ERTINGER.

Application No. 534/Cal/83 filed May 2, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A heat exchanger assembly for refrigeration systems comprising :

a shell enclosing a heat transfer tube bundle to form a shell and tube type heat exchanger;

a partition means inside the shell for dividing the tube bundle into at least a condenser section and a flash subcooler section with each section having a number of tubes passing therethrough to provide sufficient cooling for condensing gaseous refrigerant directly in each section;

an inlet means into the condenser section for providing a passageway for flow of refrigerant into the shell side of the condenser section;

at least one orifice means in the partition means for providing a passageway for the flow of the refrigerant from the condenser section to the flash subcooler section, said orifice means sized and positioned to provide a selected pressure difference between the condenser section and flash subcooler section when refrigerant is flowing from the condenser section through the orifice means to the flash subcooler section; and

an outlet means from the flash subcooler section for providing a passageway for the flow of the refrigerant out of the flash subcooler section.

Compl. Specn. 19 pages.

Drg. 2 sheets.

CLASS : 69-Q.

158272

Int. Cl. : H 01 h 37/00.

CIRCUIT ARRANGEMENT FOR CONTROLLING THE OPERATIVE TEMPERATURE OF THE HEATER OF AN ELECTRIC SOLDERING APPARATUS.

Applicant : ERSA ERNST SACHS KG GmbH & CO. LEONHARD-KARI-STR. 24, D-6980 WERTHEIM/MAIN, FEDERAL REPUBLIC OF GERMANY.

Inventor : I. DIPL.-ING. FH JURGEN BERNARD (ELEKTRONIK-INGENIEUR).

Application No. 625/Cal/83 filed May 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Circuit arrangement for controlling the operative temperature of the heater of an electric soldering apparatus, specially of a soldering iron is characterised by that in the electrical circuit of the heating coil (2) are installed one precision resistor (4; R₁₃) for checking the current flowing through the heater (2) and one TRIAC switching element (3) between the resistance metre (4; R₁₃) and the heater (2);

the TRIAC switch (3) is steered by a comparator circuit (50) which switches off the TRIAC switching element depending upon the voltage fall (V₁) at the precision resistor (4; R₁₃) or allows the necessary impulse of an impulse producing circuit (20) for just measuring the switch limit; which will be synchronised in the passage of a null in AC voltage of the voltage changer.

Compl. Specn. 12 pages.

Drg. 2 sheets.

CLASS : 98-L.

158273

Int. Cl. : F 26 b 3/24, F 24 j 3/02.

IMPROVEMENTS TO SOLAR COLLECTORS.

Applicant & Inventor : ARTHUR, LEON, SERGE LADRIERE, OF VILLA KHALOUIA, AVENUE DU CAP ROUX 06360 FZE-SUR-MER, FRANCE.

Application No. 1413/Cal/83 filed November 17, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A solar collector adapted to heat a heat-carrying fluid, this collector comprising, on the one hand a heat absorbing wall (1) formed by at least two panels (6, 7) made from a heat conducting material sloping with respect to each other so as to form a dihedral and, on the other hand, at least one duct (4) for the heat-carrying fluid, formed from a heat conducting material and extending to the bottom of the dihedral, characterized by the combination of the following arrangements :

the two panels (6, 7) are joined to each other, in the region of the apex of the dihedral, by a gutter (3) open towards the inside of the dihedral, made from a heat conducting material and closely taking on the outer shape of

the heat carrying fluid duct (4) which is housed therein and with which it is in heat conducting contact,

and the two panels (6, 7) form therebetween an angle (α) at least equal to the angle between the winter solstice and the summer solstice at the place where the collector is installed, the two panels being, in the operating position of the collector, situated in planes (P_1 , P_2) directed approximately respectively towards said solstices.

Compl. Specn. 9 pages.

Drg. 2 sheets.

CLASS : 32-A1.

158274

Int. Cl. : C 09 b 45/08.

PROCESS FOR THE PREPARATION OF COPPER COMPLEX MONOAZO COMPOUNDS.

Applicant : HOECHST AKTIENGESellschaft OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. FRITZ MEININGER.

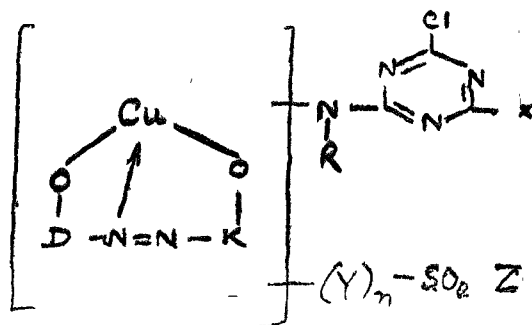
Application No. 33/Cal/85 filed January 18, 1985.

Division of Application No. 772/Cal/82 dated 1st July 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A process for the preparation of a water-soluble copper complex monoazo compound of the general formula (1) of the accompanying drawings,



Formula 1

in which

D is the radical of a diazo component of the benzene or naphthalene series whose metal-complexing hydroxy respectively oxy group is in the ortho-position relative to the azo bridge.

K is the radical of a coupling component of the benzene, naphthalene, pyridone or pyrazolone series and having a phenolic or enolic hydroxy group which complexes the copper, and to which coupling component the azo group has been coupled in the ortho-position relative to, or adjacent to, this phenolic or enolic hydroxy respectively oxy group.

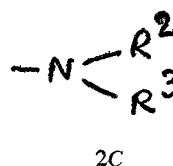
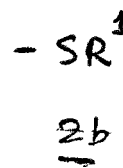
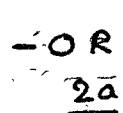
k is a hydrogen atom or an alkyl group of 1 to 4 C-atoms.

Y is the radical of the formula $-NH-$, $-N(\text{lower alkyl})-$ or $-CH_2-$.

n is the number zero or 1,—

z is the vinyl, β -acetoxyethyl, β -thiosulfatoethyl, β -chloroethyl or β -sulfatoethyl group and

X is a radical of the formula (2a), (2b) or (2c)—



in which

R¹ is an optionally substituted, branched or unbranched alkyl radical, an optionally substituted aryl radical or an optionally substituted heteroaromatic radical,—

R² is a hydrogen atom or an optionally substituted, branched or unbranched alkyl radical or a cycloaliphatic radical and—

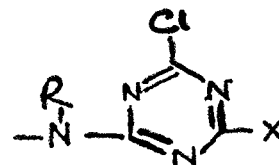
R³ is a hydrogen atom or an optionally substituted, branched or unbranched alkyl radical or an optionally substituted aryl radical,

R¹, R² and R³ being identical or different,—

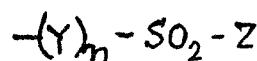
or where

R² and R³, together with the nitrogen atom, form a heterocyclic, saturated ring which may contain a further hetero atom,—

and in which the groups of the formulae (3) and (4)—



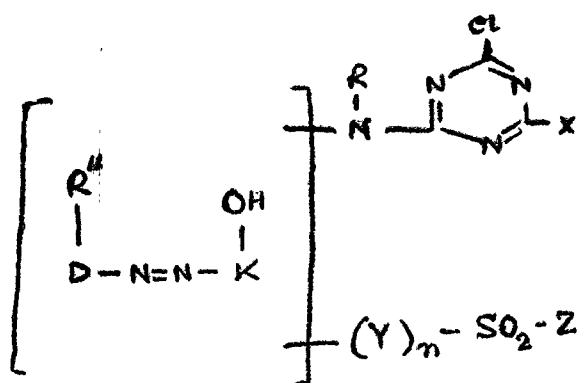
Formula 3



Formula 4

in which R, X, Y, Z and n have the abovementioned meaning are bonded to the radical D and to the radical K, either separately from one another or simultaneously to D or K,

which comprises reacting a compound of the general formula (10)—



Formula (10)

in which D, K, R, X, Y, Z and n have the meanings mentioned above and R" is a hydrogen atom or a hydroxy group and in which the radicals corresponding to the above mentioned formulae (3) and (4) are bonded to D and K, separately from one another or simultaneously to D or K, with a copper-donating agent such as salts of copper for example copper sulfate, copper chloride and copper acetate.

Compl. Specn. 43 pages

Drg. 3 sheets.

CLASS : 32E.

158275

Int. Class : C08f 3/08.

"A PROCESS FOR THE PRODUCTION OF A PROPYLENE POLYMER".

Applicant : EL PASO POLYOLEFINS COMPANY, OF W. 115 CENTURY ROAD, PARAMUS, NEW JERSEY-07652, U.S.A., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE.

Inventor : BIRENDRA KUMAR PATNAIK.

Application for Patent No. 130/Del/82 filed on 17th February, 1982.

Convention date 10th September, 1981/8127341/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

19 claims

A process for the production of a propylene polymer wherein propylene is polymerized in a polymerization zone at pressures sufficient to maintain propylene in liquid phase and at temperatures between 115°F and 165°F in the presence of a catalyst composition containing the components

- (a) an aluminum trialkyl at least partially complexed with an aromatic carboxylic acid ester electron donor and
- (b) a complex of a titanium tri- or tetrahalide with an aromatic carboxylic acid ester electron donor supported on magnesium halide.

the components (a) and (b) being provided in a molar ratio of Al/Ti between 10 and 400, characterized in that admixing component (b) prior to its introduction into the polymerization zone with an aromatic carboxylic acid ester electron donor in a mole ratio of carboxylic acid ester to titanium of from 2:1 to 30:1; and introducing said mixture to the reaction zone not later than about 5 days from the time of admixing.

Compl. specn. 15 pages.

CLASS : 32 E.

158276

Int. Class : C08f 29/12.

BLOCK COPOLYMERIZATION PROCESS FOR THE PRODUCTION OF IMPACT RESISTANT BLOCK COPOLYMERS".

Applicant : EL PASO POLYOLEFINS COMPANY, OF W-115 CENTURY ROAD, PARAMUS, NEW JERSEY 07652, UNITED STATES OF AMERICA, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE.

Inventors : MALCOLM JOSEPH KAUS & BIRENDRA KUMAR PATNAIK.

Application for Patent No. 147/Del/82 filed on 23rd February, 1982.

Convention date 16th July, 1981/8121957/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

23 Claims

A block copolymerization process for the production of impact resistant ethylene-propylene block copolymers at high productivity rates, which comprises

- I. in a first stage producing a propylene prepolymer by polymerizing propylene at pressures sufficient to maintain propylene in liquid phase and at temperature between 115°F and 165°F in the presence of a catalyst composition containing the components
 - (a) an aluminium trialkyl or an aluminium trialkyl at least partially complexed with an electron donor compound, and
 - (b) titanium tri- or tetrahalide supported on magnesium dihalide, or a complex of a titanium tri- or tetrahalide with an electron donor compound supported on magnesium dihalide, the components (a) and (b) being provided in a molar ratio of Al/Ti between 10 and 400;

II. In a second stage contacting the prepolymer of the first stage with a monomer mixture of ethylene and propylene at a pressure sufficient to maintain propylene in liquid phase and at a temperature between 115°F and 165°F and

III. separating in a known manner the product of step II from the unreacted monomer

Compl. specn. 16 pages.

CLASS : 205L ILVII.

158277

Int. Class : B 60 c—11/06.

"TYRE FOR A TWO WHEELED SINGLE TRACK VEHICLE."

Applicant(s) : DUNLOP LIMITED, A BRITISH COMPANY OF DUNLOP HOUSE, RYDFER STREET, ST. JAMES'S, LONDON SW.1., ENGLAND.

Inventor(s) : ANTHONY MARK MILLIS & CHARLES EGAN DANIEL.

Application for Patent No. 220/DEL/1982 filed on 17th March 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

18 Claims

A tyre for a two wheel single track vehicle, said tyre having a tread comprising a plurality of tread blocks, each of said blocks extending diagonally from one side of the tread to the other and being devoid of a groove which extends in a substantially circumferential direction, said blocks being separated by a plurality of first grooves for channeling water away from the centre of the tread spaced apart around the circumference of the tyre and extending generally diagonally across said tread, said first grooves extending continuously from one side of said tread to the other, each said first groove comprising an intermediate portion which extends substantially circumferentially of the tyre and diagonal portions run-

ing from respective ends of the intermediate portion to the respective tread edge, the intermediate portions of two adjacent first grooves being spaced by diagonal tread block.

Compl. specn. 12 pages, Drgs. 4 sheets.

CLASS : 90 K.

158278

Int. Class : C03b 5/08.

A METHOD OF MANUFACTURING LIQUID GLASS FROM GLASS BATCH MATERIAL.

Applicant : PPG INDUSTRIES, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA, OF ONE GATEWAY CENTER, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventors : GERALD ERASMUS KUNKLE & JOSEPH MICHAEL MATESA.

Application for Patent No. 482/Del/82 filed on 28th June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

19 claims

A method of manufacturing liquid glass from glass batch material in a vessel having a cavity surrounded by sidewalls, an upper inlet end portion for feeding the glass batch material and a lower outlet end portion for discharging liquid glass which comprises feeding glass batch material into the vessel at the inlet end portion to form a transient layer of glass batch and providing heat to the cavity to liquify the transient batch layer characterised in that a lining of a stable layer of glass batch is formed and maintained on the interior of said sidewalls, said transient layer being formed on said stable layer, and that said transient glass batch layer is replenished feeding of additional glass batch material into the stable batch layer at a rate balanced against the rate of liquifying so as to maintain the stable batch layer lining substantially constant at a sufficient thickness to thermally protect the vessel from the heat within the cavity.

Compl. specn. 29 pages, Drgs. 5 sheets.

CLASS : 176 I.

158279

Int. Class : F 22b 7/00.

"A SHELL BOILER".

Applicant : THORN EMI ENERGY DEVELOPMENTS LIMITED, A BRITISH COMPANY OF P.O. BOX 4, BURTON WORKS, DUDLEY, WEST MIDLANDS DY3 2AD, ENGLAND.

Inventors : REGINALD DENNIS NORTHCOTE AND JOHN ARTHUR TATEM.

Application for Patent No. 600/Del/1982 filed on 4th August, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

8 claims

A shell boiler comprising an outer continuous shell within which is contained the steam and/or water space of the boiler, a furnace tube and a plurality of smoke tubes for passage therethrough of products of combustion of the furnace tube, means to fire the boiler in the furnace tube, characterised in that the boiler includes a shredding means to shred a secondary fuel different to and not desired from the first fuel, and connected to a secondary feed means secondary feed means, comprising a conduit which extends from the shredding means to an inlet duct of the boiler, which feeds the secondary fuel into the boiler at a quiescent zone (as herein defined) thereof to undergo combustion with the primary fuel.

Compl. specn. 12 pages, Drgs. 2 sheets.
2-277 GI/86

CLASS : 129G & 153.

158280

Int. Class : B23f 13/00 & 15/00.

"MACHINE FOR AUTOMATICALLY SHARPENING TEETH OF A BROACH".

Applicant : STAVFLEY MACHINE TOOLS LIMITED, TRADING AS LAPOINTE BROACH COMPANY, OF OTTERSPOOL WAY, HERTFORDSHIRE, WD2, 8HS, ENGLAND, A BRITISH COMPANY.

Inventor : RONALD LEONARD ARCHIBALD.

Application for Patent No. 706/DEL/1982 filed on 15th September, 1982.

Convention date on 15th September, 1981/27827/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

12 claims

A machine for automatically sharpening the teeth of a broach which comprises a fixed bed to receive and secure the broach to be sharpened, a sensing and grinding assembly mounted on said bed and including a first slide bed and including a first slide movable longitudinally relative to said bed, a second slide mounted on said first slide for movement in a substantially vertical direction relative thereto, a third slide mounted on said second slide for transverse movement relative to said second slide and to said bed, a work head pivotally mounted on said third slide for movement relative thereto about a substantially horizontal axis, a sensing probe and a grinding wheel mounted in spaced relation on said work head and central unit for controlling the operation of the individual elements of said sensing and grinding assembly in accordance with operating instructions and sensed information fed to and stored in a micro-processor to provide an initial sensing cycle in which said sensing and grinding assembly is moved in one direction along the entire length of the broach to be sharpened, with said sensing probe operative to sense and record the position of every tooth on said broach, followed by a grinding cycle in which said sensing and grinding assembly is moved along said broach in the opposite direction with said grinding wheel operative to effect the required degree of sharpening of each broach tooth.

Compl. specn. 14 pages, Drgs. 12 sheets.

CLASS : 165 A.

158281

Int. Class : D 05b 85/00.

"AN IMPROVED METHOD OF PRODUCTION OF SEWING MACHINE NEEDLES".

Applicant : RHEIN-NADEL MASCHINENNADEL GESELLSCHAFT MIT BESCHRANKTER HAFTUNG OF REICHSWEG 19-42, 5100 AACHEN, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors : KLAUS PAVEL AND HORST LANGE.

Application for Patent No. 732/DEL/1982 filed on 30th September, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

10 claims

An improved method of producing a sewing-machine needle from a cylindrical piece of wire by stamping, in which, starting from a diameter of the piece of wire corresponding with the thickness of a butt of the needle, the piece of wire over at least the length of a neck and shank of the needle is reduced to the final cross-sectional size, and in the region of the shank of the needle a thread groove is stamped in from the curved surface of the piece of wire, characterized in that the reduction in cross-section is effected by stamping opposite parts of the cross-section of the material of the wire outwards into flat burrs which project sideways and leave between them transversely convexly curved surfaced (M) which lie at the final diameter, the flat burrs being separated in a succeeding cut.

Compl. specn. 24 pages, Drgs. 7 sheets.

CLASS : 50 E 2 [VII(1)].

158282

Int. Class : F 25 b 39/00, 41/00 & F 25 d 23/00.

"VAPOR COMPRESSION REFRIGERATION CIRCUIT".

Applicants : CARRIER CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT SYRACUSE, NEW YORK, UNITED STATES OF AMERICA.

Inventors : RAYMOND JOSEPH MURNANE, STEPHEN CARL GOMORE AND MYRON SLADE MATHEWSON.

Application for Patent No. 762/DEL/1982 filed on 19th October, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

4 claims

A vapor compression refrigeration circuit having a compressor connected to a condenser, said condenser being connected to an expansion device in turn connected to an evaporator, said evaporator being also connected to said compressor to form a refrigeration circuit in which a feeder tube connects the expansion device to the evaporator, said feeder tube having a first cylindrical end for joining to the expansion device, a flattened middle portion of reduced cross-sectional area and a discharge end cylindrical in configuration for joining to the condenser, said flattened middle portion of said feeder tube acting to suppress noise caused by the flow of refrigerant from said expansion device to the condenser.

Compl. specn. 8 pages.

Drg. 1 sheet.

CLASS : 128 E B.

158283

Int. Class : A61f—5/04 & A61b—5/04.

"ELECTRICAL STIMULATOR DEVICE FOR FRACTURE HEALING AND TREATMENT OF BONE INFECTIONS".

Applicant : DR. SATYA NAND (INDIAN) R/6 G.S.V.M. MEDICAL COLLEGE, KANPUR, DR. V. K. JAIN (INDIAN) H.B.I.T. KANPUR (U.P.).

Inventors : SATYA NAND AND VIRENDRA KUMAR JAIN.

Application for Patent No. 786/Del/1983 filed on 26th November, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

2 claims

Silver wire stimulator device for cure of bone infections and healing of ununited fractures with or without infection comprises of power pack having a two way switch for reversing the polarity of current and a regulator for providing a suitable strength of current, a cathode and an anode said cathode being connected to silver wire placed in coil form at the site of fracture inside the bone, said anode being connected to a stainless steel plate placed on the nearby skin of said fracture for new bone formation at the site of fracture.

Compl. Specn. 6 pages.

Drgs. 3 sheets.

CLASS : 128 E B.

158284

Int. Class : A61f—5/04 & A61b—5/04.

"ELECTRICAL BONE GROWTH STIMULATOR DEVICE FOR FRACTURE HEALING".

Applicant : DR. SATYA NAND (INDIAN) R/6 G.S.V.M. MEDICAL COLLEGE, KANPUR, DR. V.K. JAIN (INDIAN) H.B.I.T. KANPUR (U.P.)

Inventors : SATYA NAND AND VIRENDRA KUMAR JAIN

Application for Patent No. 787/Del/1983 filed on 26th November, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

2 claims

Bone growth stimulator device comprising of atleast one Cathode and one Anode, said Cathode being connected to an insulated stainless steel, (Kirschner's) wire placed at the site of fracture through hole shown a in Fig. 3, said Anode being connected to a stainless steel plate strapped to the nearby skin of the fracture, said cathode and Anode being connected to an electric stimulator circuit (such as herein defined) to provide a current of 20 microamperes at the site of fracture for its stimulation.

Compl. Specn. 5 pages.

Drgs. 3 sheets.

CLASS : 129-G.

158285

Int. Cl. B 23 d 79/00.

Applicant : WIDIA (INDIA) LIMITED, 8/9TH MILE, TUMKUR ROAD, BANGALORE-560 073, KARNATAKA.

Inventors : (1) AMITAVA SHYAM CHOUDHURY (2) VISWANATHA VARADARAJAN.

Application No. 27/Mas/83 filed February 4, 1983.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

An insert with a built-in chip breaker provided with a cutting edge land and a honing land characterised in that the portion of the rake face immediately beyond the said land is formed into a smooth downward shoulderless curve, such that the chips slide rapidly over the said smooth curve during cutting, the resulting change in speed of the chips as they slide on the said curve causing them to curl and break.

Compl. Specn. 5 pages.

Drg. 1 sheet.

CLASS 98-J.

158286

Int. Cl. F 24 j 3/02 & F 21 v 7/10.

A SOLAR REFLECTOR AND A METHOD OF MANUFACTURING THE SAME.

Applicant & Inventor : ZARIR MINOO BHARUCHA, 7-C, GUL MOHUR APARTMENT, 9, CONVENT ROAD, BANGALORE-560 025, KARNATAKA.

Application No. 32/Mas/83 filed February 9, 1983.

Complete specification left June 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 claims

A solar reflector comprising a box completely sealed on all sides except for an opening an air duct connecting the space within the box to atmosphere through a known one-way valve for enabling the air pressure within the box to be decreased or increased; a flexible reflecting sheet covering the opening and fastened all around its perimeter to the side of the said opening, the sheet protruding curvilinearly into or out of the box under lesser or greater than atmospheric pressure developed within the box, to form a light focussing surface.

Prov. 6 pages; Com. 9 pages; Drgs. 2 sheets.

CLASS : 53-C.

158287

Int. Cl. B 62 k 17/00.

A NOVEL ATTACHMENT FOR USE WITH AND PROPULSION OF A CYCLE.

Applicant : KARNATAKA FILTERS PRIVATE LTD., OF II FLOOR, MAHALAKSHMI CHMBS, 9/2, M. G. ROAD, BANGALORE-560 001, KARNATAKA.

Inventor : JAYARAMAN SRINIVASAN.

Application No. 68/Mas/83 filed March 29, 1983.

Complete specification left June 29, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent office, Madras Branch.

8 Claims

An attachment for use with and propulsion of a cycle comprising a high speed low volume internal combustion engine, a means for securing said engine to the cycle, a means for transmitting the drive from the engine to the front wheel of the cycle and a clutching means consisting of a lever and locking arrangement for engaging or disengaging said drive transmitting means with or from the front wheel of the cycle.

Prov. 8 pages;

Compl. 11 pages; Drgs. 5 pages.

CLASS 32-F³(a) 158288

Int. Cl. C 07 c 39/00.

A PROCESS FOR THE MANUFACTURE OF O-PHENYLENE DIAMINE.

Applicant : (1) K. G. K. MOORTHY, OF RESEARCH & DEVELOPMENT CENTRE, SHRI RAM FIBRES LTD., MANALI, MADRAS-600 068, TAMIL NADU, (2) H. SANKARASUBRAMANIAN OF RESEARCH & DEVELOPMENT CENTRE, SHRI RAM FIBRES LIMITED, MANALI, MADRAS-600 068, TAMIL NADU & (3) SHRI RAM FIBRES LIMITED, REGD. OFFICE AT GOPALA TOWER, 25, RAJENDRA PLACE, NEW DELHI-110 008.

Inventors : (1) K. G. K. MOORTHY, (2) H. SANKARASUBRAMANIAN.

Application No. 72/Mas/83 filed March 31, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent office Madras Branch.

6 claims ; No drawing

A process for the manufacture of O-phenylene diamine comprising the steps of taking O-nitro aniline in a reaction flask fitted with stirrer, reflux condenser, jacketed addition pipette and thermostat servotherm oil bath; transferring demineralised water into the flask and raising the temperature gradually to $125 \pm 5^\circ\text{C}$ with constant stirring; adding hot sodium sulphide solution gradually to the O-nitro aniline in the flask through the said pipette; raising the bath temperature $150^\circ\text{C} \pm 5^\circ\text{C}$ to keep the resistant under mild reflux and to complete the reduction; adding activated charcoal to the reactant under stirring; discharging the resultant into a cooled vat, centrifuging and charging the same into a distillation unit; dehydrating the charge at a temperature of $145 \pm 5^\circ\text{C}$ at atmospheric pressure, gradually raising the temperature of the bath to $230 \pm 5^\circ\text{C}$ under vacuum of 740 ± 10 mm and distilling the O-phenylene diamine.

Com. 6 pages.

CLASS : 166-C. 158289

Int. Cl. B 63 h 1/14.

AN IMPROVED MARINE SCREW PROPELLER.

Applicant : ASHOK LEYLAND LIMITED, REGD. OFFICE AT 19, RAJAJI SALAI, MADRAS-600 001 TAMIL NADU.

Inventors : (1) BALRAMAN MUTHUKRISHNAN, (2) NIRMAL KUMAR MASILAMONEI.

Application No. 76/Mas/83 filed April 3, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent office, Madras Branch.

9 Claims

An improved marine screw propeller having lobe shaped three blades and having diameter (990 ± 20) mm; maximum pitch as measured at 0.6 R line (685 ± 15) mm; and wherein a reduction of pitch occurs in respect of each said blade towards its root from 0.6 R line; and wherein each said blade

is provided with aerofoil sections between its root and 0.6 R line and conventional regular circular section from 0.6 R line till the peripheral edge of the blade, the expression '0.6 R line' having the meaning given hereinbefore.

Com. specn. 10 pages; Drgs. 3 sheets—one sheet of size 41.00 cms, by 33.00 cms.).

CLASS : 61-B & G.

158290

Int. Cl. F 26 b 23/04.

AN ELECTRO THERMAL DRIER.

Applicant & Inventor : JOY PATIETTU, OF PATTETTU HOUSE, UPPUTHARA P.O., IDUKKI DISTRICT, KERALA STATE, PIN CODE NO. 685 505.

Application No. 84/Mas/83 filed April 21, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent office Madras Branch.

5 claims

An electro thermal drier comprising a chamber having a removable lid which is not air tight, a base member having a fixed plate and a variable opening covered by one or more slidable members for introduction of air into said chamber, heating elements disposed above the said slidable member or members and a support having closely spaced perforations disposed above the said heating elements for supporting the material to be dried.

Com. 6 pages; Drg. 1 sheet.

CLASS : 205-D.

158291

Int. Cl. : B 62 c 3/00.

AN IMPROVED HUB ASSEMBLY FOR USE IN ANIMAL DRIVEN CART WHEEL.

Applicants & Inventors : (1) DESOOR RAJAGOPAL DEVASENADHIPATHY, (2) DESOOR RAJAGOPAL VISHWESVAAN, (3) DESOOR RAJAGOPAL KARTHIKEYAN & (4) DESOOR RAJAGOPAL SKANDAPRABHU, ALL OF 'SHIVKRUPA', NO. 258, VII BLOCK, JAYANAGAR, BANGALORE-560 011, KARNATAKA.

Application No. 102/Mas/83 filed May 9, 1983.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

12 Claims

An improved hub assembly for use in animal driven cart wheel comprising a hollow housing having at least one bearing assembly mounted therein, said bearing assembly consisting of a first bearing within which is eccentrically fitted a second bearing, a holding member is fixed between the outer race of said second bearing and the inner race of said first bearing to hold them in position, the cart axle is fitted within said second bearing, the outer periphery of said hollow housing being provided with arrangements like grooves for taking wheel spokes.

Compl. Specn. 9 pages.

Drgs. 2 sheets.

CLASS : 13-D.

158292

Int. Cl. : A 45 c 5/12.

DRESS/CLOTHES SEPARATOR FOR SUITCASE.

Applicant & Inventor : DR. GOWRISHANKER PANDIT RAO PALNITKAR, 5-2-1026, JAWAHARLAL NEHRU ROAD, HYDERABAD-500 001, ANDHRA PRADESH.

Application No. 147/Mas/83 filed June 29, 1983.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

Dress/Clothes Separator for a Suitcase consisting of three plastic plates each having 3 holes and 3 elastic bands on either side, 9 Clamps and 3 rods, each plate being secured to rods, fixed to the backside of the suitcase by means of clamps so that each plate can move freely along the rods.

Compl. Specn. 3 pages.

Drg. 1 sheet.

CLASS : 36-A1.

158293

Int. Cl. : F 16 c 13/04.

A CENTRIFUGAL PUMP DRIVEN BY A PRIME MOVER.

Applicant : THE ENFIELD INDIA LIMITED, 29, EL-DAMS ROAD, MADRAS-600 018, TAMIL NADU.

Inventor : ESWARAN SIVARAMAN.

Application No. 191/Mas/83 filed September 9, 1983.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

A centrifugal pump driven by a prime mover comprising an impeller coupled to the shaft of the prime mover, characterised in that the impeller is extended along the axis of the shaft, the extension of the impeller having a cylindrical external periphery whereon stationary packing means are mounted, whereby whenever the pump is in operation, the said packing means are in contact with the rotating extension of the impeller and not with the rotating shaft.

Compl. Specn. 6 pages.

Drg 1 sheet.

CLASS : 103 & 144-F2.

158294

Int. Cl. C09 d 3/30.

An ANTIFOULING PAINT COMPOSITION TO PREVENT MARINE GROWTH ON STRUCTURES.

Applicants & Inventors : (1) A. G. GOPALAKRISHNA PILLAI (2) K. RAVINDRAN & (3) R. BALASUBRAMANYAN, SCIENTISTS, CENTRAL INSTITUTE OF FISHERIES TECHNOLOGY, MATSYAPURI P.O., COCHIN-682 029, KERALA.

Application No. 192/Mas/83 filed September 9, 1983.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

1 Claim. No drawing

An antifouling paint composition, consisting of 30% by weight of cuprous oxide, 19% by weight of talc, 4% by weight of cashew nut shell liquid formaldehyde condensation product, 21.6% by weight of double boiled linsseed oilrosin as binder, 2.4% by weight of cobalt naphthenate, 1% by weight of manganese naphthenate, 10% by weight of turpentine and 12% by weight of solvent napthe wherein the said binder is prepared by heat processing of 1 part of double boiled linsseed oil with 3 parts of water white rosin by weight at $250^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for a period of 12 hours.

Compl. Specn. 6 pages.

CLASS : 49-A.

158295

Int. Cl. : C 10 b 23/00.

IMPROVED PROCESS FOR THE MANUFACTURE OF COKE FROM COAL AND CASCADE-TYPE FLUIDISED BED DRIER THEREFOR.

Applicant : KRUPP-KOPPERS GMBH, OF MOLTKESTRASSE 29, 4300 ESSEN 1, WEST GERMANY.

Inventors : 1. DR. VLADAN PETROVIC, 2. DR. KARL SCHMID, 3. DR. FRIEDRICH JOKISCH, 4. HEINZ ROTH-THAUS.

Application No. 438/Cal/82 filed April 20, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A coal coking method for use in a coking plant for manufacture of coke which includes means for preheating or predrying coal to be charged into at least one coking oven and means for dry cooling by a gaseous cooling medium hot coke after its discharge from the coking oven, whereby heat exchange between the hot coke and the coal to be preheated is effected by recirculating gas and steam generated during the dry coke cooling process, said method characterised by the steps of :

- (a) preheating the coal by an indirect heat transfer with the hot gases from the coke cooling step in a cascaded multi-stage drier in which the heat is applied to fluidised beds of a coal-steam mixture;
- (b) dividing the whole amount of gas discharged from the dry coke cooling means into two partial gas streams, employing one of said partial streams for preheating the coal by passing said one partial stream at a temperature between 550°C and 650°C through the first stage of the cascade type fluidised bed drier and further heat exchange in the subsequent stage/s of the cascade type fluidised bed drier and after its discharge from said fluidised bed drier reuniting said one stream with the other partial stream;
- (c) returning the reunited two partial streams, after their purification and cooling, into the coke dry cooling means at lower and higher parts as required;
- (d) maintaining fluidised beds of said coal-steam mixture in said cascade type drier by discharging steam from said fluidised beds, then separating the discharged steam from entrained dust particles, then dividing the purified steam into two partial streams, condensing and draining one of said partial streams, and compressing the other partial stream and recirculating the compressed partial stream of steam into said fluidised beds in said cascade type drier.

Compl. Specn. 21 pages.

Drg. 3 sheets.

CLASS : 195-D.

158296

Int. Cl. : F 16 k 27/00.

A SPOOL VALVE.

Applicant : FESTO-MASCHINENFABRIK GOTTLIEB STOLL, OF ULMER STRASSE 48, 7300 ESSLINGEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. KURT STOLL, 2. MANFRED RUDLE.

Application No. 457/Cal/82 filed April 23, 1982.

Convention dated 11th March 1982 (8207175) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

24 Claims

A spool valve having at least two working positions, the spool valve comprising a valve housing having a body, end plates closing ends of said body, and a pair of liners defining a ported spool hole whose ports are designed for fluid control, a spool being movably located in said ported hole and having fluid control collars thereon for co-operation with said ports, a servo piston system for moving said valve spool in two directions and at least one pilot valve designed to be remotely controlled for selectively putting the servo piston system under pressure, said liners being symmetrically spaced apart with respect to a plane normal to the axis of said spool hole, spaces of the servo piston system being limited

by and within the spool hole in the liners, and an air let-off valve being provided in one of said end plates, said let-off valve having large air flow cross-section.

Compl. Specn. 23 pages.

Drg. 6 sheets.

CLASS : 32-E + 40-B.

158297

Int. Cl. : B 01 j 11/00; C 08 f 3/00, 15/00.

A PROCESS FOR PREPARING A CATALYST FOR USE IN PRODUCING LINEAR LOW DENSITY POLYETHYLENE.

Applicant : MOBIL OIL CORPORATION, OF 150 EAST 42ND STREET, NEW YORK, NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventors : 1. THOMAS EDWARD NOWLIN, 2. KLAUS PETER WAGNER.

Application No. 1407/Cal/82 filed December 4, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for preparing a catalyst for use in the production of linear low density polyethylene, comprising the steps of :

(a) transferring magnesium from a liquid medium such as herein defined onto a solid porous carrier such as herein defined in contact with the liquid medium, the carrier containing reactive, surface hydroxyl groups, the liquid medium containing at least one organomagnesium composition having the empirical formula $R_nMgR'_n$ ($n \geq 1$), where R is a stable organic moiety and R' is a stable organic moiety or a halogen atom, and n is a rational number between 0.5 and 2, the number of moles of magnesium in said liquid medium exceeding the number of moles of reactive hydroxyl groups in the carrier, and the magnesium being transferred in chemically combined form onto the carrier by reaction between the organomagnesium composition and the surface hydroxyl groups and by precipitation onto the carrier to produce a supported magnesium composition, and

(b) reacting the supported magnesium composition produced in step (a) with at least one tetravalent titanium compound in a liquid medium such as herein defined such that the molar ratio of the titanium compound in the liquid medium to the magnesium in the supported magnesium composition is greater than unity, the tetravalent titanium compound being soluble in said liquid medium, and said supported magnesium composition being insoluble in said liquid medium, the reaction producing on said carrier a reacted form of titanium which is insoluble in said liquid medium.

Compl. Specn. 41 pages.

Drg. 5 sheets.

CLASS : 56-A.

158298

Int. Cl. : B 01 d 3/26, 3/14.

LOWER PRESSURE FRACTIONATION OF WASTE GAS FROM AMMONIA SYNTHESIS.

Applicant : LINDE AKTIENGESellschaft, ABRAHAM-LINCOLN-STRASSE 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. RAINER FABIAN, 2. WOLFGANG SCHMID, 3. HERWIG LANDES.

Application No. 1448/Cal/82 filed December 15, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A low temperature process for the fractionation of ammonia synthesis waste gas consisting essentially of a mixture of nitrogen, hydrogen, argon and methane which process comprises reducing the temperature of such mixture to a temperature at which essentially all other components except for hydrogen condense, withdrawing gaseous hydrogen as the first product stream, feeding the condensate into a first fractionation column where methane is withdrawn as liquid bottom product, the gaseous top fraction of such column consisting essentially of a mixture of nitrogen and argon which is fed into a second fractionation column where argon is withdrawn as liquid bottom product, the gaseous top product of said second column consists essentially of nitrogen, the improvement comprises compressing the nitrogen to a medium pressure below final pressure, withdrawing a portion of resultant medium-pressure nitrogen from the compressor, compressing remaining medium-pressure nitrogen to the final pressure, said final pressure being not greater than 75 bar, cooling resultant medium-pressure nitrogen in parallel with resultant final-pressure nitrogen, further cooling the medium-pressure nitrogen by heating the two separating stages (5, 8), expanding resultant cooled medium-pressure nitrogen to at least partially liquefy the same, expanding resultant cooled final-pressure nitrogen to at least partially liquefy the same, and combining both resultant at least partially liquefied nitrogen streams in a phase separator.

Compl. Specn. 17 pages.

Drg. 2 sheets.

CLASS: 33-A.

158299

Int. Cl. : B 22 d 11/02, 27/02.

METHOD OF MANUFACTURE OF HOLLOW BODIES BY CONTINUOUS CASTING WITH THE AID OF A MAGNETIC FIELD AND A DEVICE FOR PUTTING THE METHOD INTO EFFECT.

Applicant : VALLOUREC, OF 7 PLACE DU CHANCELIER ADENAUER, 75016 PARIS, FRANCE.

Inventors : 1. ROLAND ERNST, 2. MARCEL GARNIER, 3. MICHEL GIROUTRU, 4. ANDRE GUEUSSIER, 5. RENE MOREAU, 6. PIERRE PEYTAVIN.

Application No. 56/Cal/83 filed January 13, 1983.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

32 Claims

A method of manufacture of hollow metal bodies by vertical continuous casting, in which a liquid metal, such as aluminium, aluminium based alloy, copper, copper based alloy, ordinary or alloyed steel, stainless or refractory steel, nickel based alloy or cobalt based alloy, is introduced continuously into an annular space lying between an outer metal mould (1) cooled by a flow of fluid and an inner mandrel (2) likewise cooled by a flow of fluid, this metal solidifying progressively in contact with the walls of the mould and of the mandrel with the formation of a hollow body (8) which is withdrawn below the mould, characterized in that in an annular zone next to the outer surface of the mandrel the liquid metal is subjected to the action of a moving magnetic field, which has its source inside the mandrel and which within said metal generates forces which exhibit a vertical component directed upwards, which drives this metal towards the free surface of the metal bath.

Compl. Specn. 36 pages.

Drg. 5 sheets.

CLASS : 90-A.

158300

25 Claims

Int. Cl. : C 03 c 27/00.

IMPROVED METHOD AND QUENCH UNIT FOR TEMPERING A HEATED GLASS SHEET.

Applicant & Inventor : JOHN STEPHEN NITSCHKE
OF 650 W. FRONT STREET, PERRYSBURG, OHIO 43551,
UNITED STATES OF AMERICA.

Application No. 74/Cal/83 filed 19th January, 1983.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An improved method for tempering a heated glass sheet by the use of gas quenching, characterized in that the improvement comprises impinging quenching gas (e.g. air) against the opposite surfaces of the heated glass sheet while within an enclosed chamber maintained at super atmospheric pressure of 10 to 100 pounds per square inch above atmospheric pressure.

Compl. Specn. 16 pages.

Drg. 1 sheet.

CLASS : 33-A & D.

158301

Int. Cl. : B 22 d 27/02.

METHOD OF MANUFACTURING A CAST PRODUCT FROM MOLTEN MATERIAL CONTAINED WITHIN A RECEPTACLE AND APPARATUS FOR CARRYING OUT THE METHOD.

Applicant : BRITISH STEEL CORPORATION, OF 9
ALBERT EMBANKMENT, LONDON, ENGLAND SE1
7SN.

Inventors : 1. MALCOLM PORTER, 2. ROBERT DODGSON.

Application No. 161/Cal/83 filed February 11, 1983.

Convention dated 12th February, 1982 (8204212) U.K.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A method of manufacturing a cast product from molten material contained within a receptacle, the method comprising the step of promoting stirring of the molten material contained within the receptacle by passing polyphase alternating currents through electrically conductive elements of or adjacent to the receptacle surface by joining both current connections of one or more current transducers to the conductive elements to cause electrical currents to flow along paths in the elements to induce magnetic field within the molten material and to promote stirring thereof.

Compl. Specn. 10 pages.

Drg. 3 sheets.

CLASS 70-C.

158302

Int. Cl. : C 23 b 5/00.

A CONTINUOUS YARN OR TOW COMPRISING HIGH STRENGTH METAL COATED FIBERS, PROCESS FOR THEIR PRODUCTION, AND ARTICLES MADE THEREFROM.

Applicant : FLECTRO METALLOID CORPORATION,
AT IRVINGTON, STATE OF NEW YORK, UNITED
STATES OF AMERICA.

Inventor : 1. LOUIS GEORGE MORIN.

Application No. 164/Cal/83 filed February 11, 1983.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

A continuous yarn or tow comprising strength composite fibers, the majority of which have an electrically conductive semi-metallic core and at least one thin, uniform, firmly adherent, electrically conductive layer of at least one electro-deposited metal on said core, the bond strength of said layer to said core being not substantially less than about 10 per cent of the tensile strength of the metal.

Compl. Specn. 26 pages.

Drg. 2 sheets.

CLASS : 128-G.

158303

Int. Cl. : A 61 b 19/00.

A SCISSORS TYPE MEDICAL INSTRUMENT FOR REPEATEDLY APPLYING A PLURALITY OF LIGATING CLIPS ACROSS ABOUT TISSUE.

Applicant : ETHICON INC., LOCATED IN SOMER-
VILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventor : 1. JAMES ANTHONY TRANSUE.

Application No. 176/Cal/83 filed February 15, 1983.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A scissors-type medical instrument for repeatedly applying a plurality of ligating clips seriatim about tissue wherein each said clip is initially provided in an open state and wherein each said clip comprises first and second legs joined at their proximal ends by a resilient hinge and spaced apart at their distal ends with said legs having latch means at said distal ends for holding said clip closed in clamping engagement about said tissue when said legs are squeezed together; each said clip including a base extending along at least a portion of said first leg and including means for being guided and retained by, and for supporting said clip in, said instrument; said instrument comprising :—

first and second handles mounted together for pivotal movement about a pivot axis, each said handle extending forwardly beyond the pivot axis to form a clip closing jaw, said jaws having opposing clip engaging faces;

means associated with said first and second handles for limiting the pivoting movement of said handles to a maximum opening of said jaws;

said first handle including a guideway for receiving a plurality of said open clips in a single row with the clips arranged in end-to-end relationship with the distal end of said first leg of one clip abutting the hinge of the next forwardly adjacent clip, said first handle including clip retaining means along said guideway for engaging said clip base to retain said clip in sliding engagement within said first handle in said guideway;

means on said second handle jaw for engaging said second leg of the front clip in said row of clips when said jaws are at said maximum opening and when the front clip is open and positioned between the open jaws whereby discharge of the open front clip from the open jaws is prevented;

a last clip engaging member disposed within said guideway and adapted to bear against the last clip in said row of clips; and

a serpentine spring disposed within said guideway and adapted to be compressed behind said last clip engaging member for moving said row of clips forwardly along said guideway to said jaws.

Compl. Specn. 23 pages.

Drg. 2 sheets.

CLASS : 107-G.

158304

AMENDMENT PROCEEDING UNDER SECTION 57

Int. Cl. : F 01 p 11/12.

COMPACT OIL COOLER AND FILTER ASSEMBLY FOR INTERNAL COMBUSTION ENGINES.

Applicant : CUMMINS ENGINE COMPANY, INC., OF 1000 5TH STREET, COLUMBUS, INDIANA 47201, UNITED STATES OF AMERICA.

Inventor : 1. HARSHAD HIMABHAI PATEL.

Application No. 187/Cal/83 filed February 16, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

An oil cooler and filter assembly for use on an internal combustion engine having a recirculating lubrication oil circuit and a recirculating engine coolant circuit, comprising,

- (a) a cooler housing having a planar end surface and an elongated internal cavity one end of which opens into said planar end surface;
- (b) support means for mounting said cooler housing on the engine and for providing isolated fluid flow passages between the cooler housing and the recirculating lubrication oil circuit and the recirculating engine coolant circuit;
- (c) heat exchange means for causing the lubrication oil and engine coolant to flow through said cooler housing in fluidically isolated, heat exchange relationship, said heat exchange means including

(1) a plurality of elongated tubes, and

(2) tube mounting means for mounting said tubes in spaced apart, parallel nested relationship within said housing cavity, said tube mounting means including a flat plate-like member sandwiched between said cooler housing and said support means, said flat plate-like member containing at least one oil inlet aperture through which oil flows from said support means to said cooler housing and at least one oil return aperture through which oil flows from said cooler housing into said support means.

Compl. Specn. 26 pages.

Drg. 7 sheets.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by National Council of Cement and Buildings Materials to the grant of a patent on application No. 156895 made by Dr. Anil Krishna Kar as notified in the Gazette of India, Part-III, Section 2 dated the 10th May, 1986 the application for patent No. 156895 has been treated as withdrawn.

(2)

An opposition has been entered by M/s. Orient Enterprises to grant of a patent on application No. 157391 dated 2nd February 1982 made by M/s. Rollatainers Limited.

PATENTS SEALED

(1)

150589 154558 155364 155383 155840 155855 156010 156013
156015 156019 156039 156042 156094 156099 156101 156113
156154 156163 156172 156179 156199 156200 156204 156206
156211 156213 156214 156215 156216 156217 156219 156220
156221 156222 156225

(2)

151656 153311 155624 155674 155819 155846 155857 156012
156046 156069 156072 156083 156087 156096 156114 156115
156134 156137 156138 156144 156147 156149 156152 156154
156158 156164 156169 156171 156173 156183 156185 156192
156193 156195 156196

(1)

Notice is hereby given that MC ACQUISITION CORPORATION, a Corporation organized under the laws of Delaware, United States of America, have made an application under section 57 of the Patents Act, 1970 for amendment of application, specification and drawings of their Patent application No. 148603 for "A wet-Dry Water cooling Tower". The amendments are by way of changing name from "MC ACQUISITION CORPORATION" to "THE MARLEY COMPANY". The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on Form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said.

(2)

The amendments proposed by Beloit Corporation in respect of Patent Application Nos. 150953 as advertised in Part III, Section 2 of the Gazette of India dated the 8th February, 1986 has been allowed.

(3)

The amendments proposed by S. A. Labaz-Sanofi N. V. (Formerly known as S.A. Labaz N. V.) in respect of Patent No. 151241 as advertised in Part III, Section 2 of the Gazette of India dated the 8th February, 1986 have been allowed.

(4)

Notice is hereby given that Natarajan Devendran, Proprietor of Pilco Mirror Industries, P.O. Box 3151, C-14, Industrial Estate, Guindy, Madras, India, an Indian citizen and James Wallace Langlands, of 20, Kippen Drive, Busby, Lanarkshire, Scotland, United Kingdom, a U.K. Citizen, have made an application under Section 57 of the Patents Act, 1970, for amendment of specification of their Patent application No. 151354 for "A METHOD OF PRODUCING A BOUNDED LAMINATE OF FRANGIBLE SHEETS AND A LAMINATE PRODUCED THEREBY". The amendment are by way of explanation, disclaimer and correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on Form 30 within three months from the date of this notification, at the Patent Office, Madras. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said Notice.

(5)

The amendments proposed by Omnium Financier Acquitaine, Pour L'Hygiene Et La Sante (Sanofi), Tour Aquitaine, 92400-Courbevoie, France, in respect of Patent application No. 152974 as advertised in Part III, Section 2 of the Gazette of India dated the 8th March, 1986 has been allowed.

(6)

The amendment proposed by Union Carbide Corporation in respect of Patent application No. 155337 as advertised in Part III, Section 2 of the Gazette of India dated the 22nd March, 1986 has been allowed.

(7)

The amendment proposed by Victor Company of Japan, LTD.; in respect of Patent application No. 155956 as advertised in Part III, Section 2 of the Gazette of India dated 15th March, 1986 has been allowed.

(8)

The amendment proposed by NRM Corporation in respect of Patent application No. 156501 as advertised in Part III, Section 2 of the Gazette of India dated the 5th April, 1986 has been allowed.

RENEWAL FEES PAID

136223 137934 138775 140078 140397 140705 141127 141988
142100 142235 142344 142530 142661 143087 143378 143359
143517 143625 145819 146063 146792 148223 148331 148332
149664 149744 149850 149880 149942 150224 150297 150320
150626 151384 151606 151682 151783 152258 152801 152988
153940 154152 154444 154611 154674 154834 155341 155502
155515 155548 155550 155568 155737 155834 156047 156048

CESSATION OF PATENTS

148469 148470 152748 152861 152985

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 141782 dated the 30th November, 1976 made by the Tata Iron & Steel Company Limited on the 30th October, 1985 and notified in the Gazette of India, Part-III, Section 2 dated the 12th April, 1986 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 144007 dated the 8th December, 1976 made by Biomagnetics International Inc. on the 9th December, 1985 and notified in the Gazette of India, Part-III, Section 2, dated the 12th April, 1986 has been allowed and the said Patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 146663 dated the 3rd November, 1977 made by The Tata Iron & Steel Company Limited on the 30th October, 1985 and notified in the Gazette of India, Part-III, Section 2, dated the 12th April, 1986 has been allowed and the said patent restored.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 148937 granted to Ahmedabad Manufacturing and Calico Printing Company Limited for an invention relating "a method of removing residual chlorine from effluent liquids containing calcium hypochlorite".

The patent ceased on the 9th July, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 2nd August, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 11-12-1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149369 granted to Ahmedabad Manufacturing and Calico Printing Company Limited for an invention relating to "process for recovery of mercury from solid waste".

The patent ceased on the 9th July, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 2nd August, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 11-12-1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 150824 granted to Sachindra Nath Sen for an invention relating to "a theft prevention and burglar alarm device".

The patent ceased on the 15th March, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 3rd May, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 11-12-1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 151518 granted to Niku Purnachandra for an invention relating to "continuous electric steel making process from steel scrap and sponge iron".

The patent ceased on the 28th January, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 8th March, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 11-12-1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 152234 granted to Sachindra Nath Sen for an invention relating to "a theft prevention device".

The patent ceased on the 15th March, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 3rd May, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 11-12-1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application for restoration of Patent No. 153363 dated the 20th November, 1979 made by Smiths Industries Public Limited Company on the 20th November, 1985 and notified in the Gazette of India, Part-III, Section 2, dated the 1st March, 1986 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not to be inspected of a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class. 1. No. 156505. Deepak Ratilal Panchal, Indian National, 17-B, Vaishali Nagar, S. V. Road, Flat No. 204, Behind Ram Shyam Cinema, Jogeshwar (West), Bombay-400 102, Maharashtra, India. "Multi Masonary Espansion Fastner". January 6, 1986.
- Class. 1. No. 156521. Jay Cylinders Limited, S-155, Panchshila Park, New Delhi-110 017, India, an Indian Company. "Gas Stove". January 14, 1986.
- Class. 1. No. 156592. Gulshon Kumar Vijan, Indian National, 67, Guru Nanak Nagar, Meerut, U.P. (India). "Wick Stove". February 4, 1986.
- Class. 1. No. 156859. Jain Die Caster Pvt. Ltd., 138, Veer Nagar, Delhi-110007, India, Indian Company. "Lock". March 21, 1986.
- Class. 1. No. 156963. Samsonite Corporation, U.S.A., 11200 East 45th Avenue, Denver, Colorado 80239, U.S.A., "Latch". Reciprocity date October 31, 1985 (UK).
- Class. 1. No. 156965. Samsonite Corporation, U.S.A., 11200 East 45th Avenue, Denver, Colorado 80239, U.S.A., "Latch". Reciprocity date October 31, 1985 (UK).
- Class. 1. No. 157300. Suntex Electronics India, Indian Proprietary Firm, Garia Main Road, Laha Bagan, "Electric T.L. Chock". July 30, 1986.
- Class. 3. No. 156517. Gur Kirpa Industries, A 61, Group Industrial Area, Wazirpur, Delhi-52, Indian Partnership Firm. "The Seat of Tricycle". January 10, 1986.
- Class. 3. No. 156617 V.I.P. Industries Limited, V.I.P. House, 88C, Old Prabhadevi Road, Bombay-400 025, Maharashtra, Indian Company. "Briefcase". February 7, 1986.
- Class. 3. No. 156632. Cabot Corporation, 125, High Street, Boston Massachusetts, U.S.A. "Earplug". February 14, 1986.

- Class. 3. No. 156697. Inalsa Pvt. Ltd. Surya Kiran, 19-Kasturba Gandhi Marg, New Delhi-110001, India. "Food Processor". February 25, 1986.
- Class. 3. No. 157225. V. V. Dhanushkodi Nair & Sons, Indian Partnership Firm, 90/91, South Raja Street, Tuticorin-628001, Tamil Nadu, India. "Container". July 4, 1986.
- Class. 3. No. 156795. Polyene General Industries (Pvt.) Ltd., A. 11 & 12, Industrial Estate, Guindy Madras-600 032, Tamil Nadu, India. "Roof water tanks for railway coaches". March 19, 1986.
- Class. 3. No. 156869. Prince Plastics, Churchgate Chambers, 5, New Marine Lines, Bombay-400 020, Maharashtra, India, Indian Partnership Firm. "Baby Stool". March 24, 1986.
- Class. 3. No. 156870. Cello Plastic Industrial works, Vakil Industrial Estate, Walbhat Road, Goregaon East, Bombay-400 053, Maharashtra, India, Indian Partnership Firm. "Soap Container". March 24, 1986.
- Class. 3. No. 156871. Cello Plastic Industrial Works, Vakil Industrial Estate, Walbhat Road, Goregaon East, Bombay-400 063, Maharashtra, India, Indian Partnership Firm. "Container". March 24, 1986.
- Class. 3. No. 156879. Evershine Plastic Industry, A-59, Wazirpur Industrial Area, Delhi-110 052, India, Partnership Firm. "Shopping Basket". March 25, 1986.
- Class. 3. Nos. 156964, 156966 & 156967. Samsonite Corporation, 11200 East 45th Avenue, Denver, Colorado 80239, U.S.A. "Luggage case". Reciprocity date October 31, 1985 (UK).
- Class. 3. No. 156968. Samsonite Corporation, U.S.A., 11200 East 45th Avenue, Denver, Colorado 80239, U.S.A. "Handle". Reciprocity date October 31, 1985 U.K.
- Class. 3. No. 156978. Bonne Bell Cosmetics, 4, Cowie Lane, Calcutta-700 016, West Bengal, India, an Indian Company. "Bottle". April 21, 1986.
- Class. 4. No. 156742. National Bottling Company, Indian Partnership Firm of St. Jerome's Road, Mapusa-403507, Maharashtra, India "Bottle". March 5, 1986.
- Class. 10. Nos. 156954 & 156955. Satish Chandra Lakhota, Acupressure Therapy Health Centre, 74, Park Calcutta-700 017, West Bengal, India, Indian Nationality. "Acupresser Regular Exercise Sandal". April 11, 1986.

R. A. ACHARYA

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